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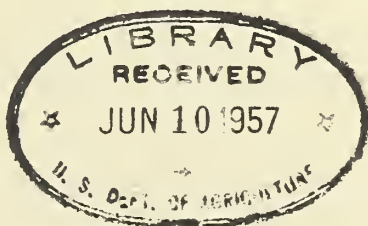
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PROGRESS REPORT ON PUBLICATIONS
FROM HOME ECONOMICS RESEARCH

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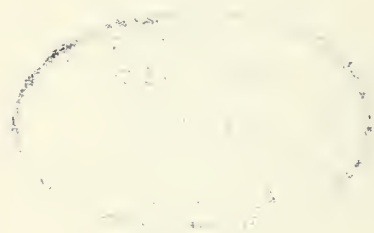


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Prepared for use in connection
with the March 1956 meeting of
the Home Economics Research
Advisory Committee.

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UNITED STATES DEPARTMENT OF AGRICULTURE
Washington, D. C.
March 1956



I. COMPOSITION AND NUTRITIVE VALUE OF FOODS

Boneless beef: Raw, cooked, and served...results of analyses for moisture, protein, fat, and ash. E. W. Toepfer, C. S. Pritchett, and E. M. Hewston, Tech. Bul. 1137. Dec. 1955.

A microbiological method for determination of cystine in foods. M. J. Horn and A. E. Blum. Cereal Chem. 33(1): 18-28. Jan. 1956.

Cystine, tyrosine, and essential amino acid contents of selected foods. C. H. Edwards, L. P. Carter, and C. E. Outland. Agr. and Food Chem. 3(11): 952-957. Nov. 1955. (Contract with Carver Foundation and Tuskegee Inst.)

Pantothenic acid in foods. E. G. Zook, M. M. MacArthur and E. W. Toepfer. Agr. Handbook. (In press)

Fatty acid composition, and oxidative deterioration during storage of fats in cuts of beef, lamb, pork, and turkey. O. S. Privett, F. J. Pusch, and W. O. Lundberg. Food Technol. 9(7): 347-351. July 1955. (Contract with Univ. of Minn.)

The use of Pandanus fruit as food in Micronesia. C. D. Miller, M. Murai and F. Pen. Pacific Sci. 10(1): 3-16. Jan. 1956. (Contract with Univ. of Hawaii)

II. HUMAN REQUIREMENTS AND NUTRITIONAL RESPONSE TO DIET

Nutritional requirements

A standardized diet for metabolic studies--its development and application. F. L. Meyer, M. L. Brown, H. J. Wright, and M. L. Hathaway. Tech. Bul. 1126. Nov. 1955.

The quantitative amino acid requirements of young women. I. Threonine. R. M. Leverton, M. R. Gram, M. Chaloupka, E. Brodovsky, and A. Mitchell. Jour. Nutr. 58(1): 59-81. Jan. 1956. (Contract with Univ. of Nebr.)

The quantitative amino acid requirements of young women. II. Valine. R. M. Leverton, M. R. Gram, E. Brodovsky, M. Chaloupka, A. Mitchell, and N. Johnson. Jour. Nutr. 58(1): 83-93. Jan. 1956. (Contract with Univ. of Nebr.)

The quantitative amino acid requirements of young women. III. Tryptophan. R. M. Leverton, N. Johnson, J. Pazur, J. Ellison, M. Skellenger, and E. French. (Contract with Univ. of Nebr.) To Jour. Nutr. (In press)

The quantitative amino acid requirements of young women. IV. Phenylalanine - with and without tyrosine. R. M. Leverton, N. Johnson, J. Ellison, M. Skellenger, D. Gerschwender, and F. Schmidt. (Contract with Univ. of Nebr.) To Jour. Nutr. (In press)

The quantitative amino acid requirements of young women. V. Leucine. R. M. Leverton, J. Ellison, N. Johnson, J. Pazur, F. Schmidt, and D. Gerschwender. (Contract with Univ. of Nebr.) To Jour. Nutr. (In press)

Amino acid requirements of young women based on nitrogen balance data. I. The sulphur-containing amino acids. M. E. Swendseid, I. Williams, and M. S. Dunn. (Contract with Univ. of Calif.) To Jour. Nutr. for publication.

Amino acid requirements of young women based on nitrogen balance data. II. Minimum amounts of the eight essential amino acids fed simultaneously. M. E. Swendseid and M. S. Dunn. (Contract with Univ. of Calif.) To Jour. Nutr. for publication.

Fat in the diet of infants in relation to caloric consumption, growth, and serum levels for specific fatty acids. A. E. Hansen. (Abstract.) Amer. Jour. of Diseases of Children 90(5): 621-622. Nov. 1955. (Contract with Univ. of Tex., Med. Br.)

Starches, sugars, and related factors affecting liver fat and nitrogen balances in adult rats fed low levels of amino acids. M. Womack and M. W. Marshall. Jour. Nutr. 57(2): 193-202. Oct. 1955.

Biological availability of nutrients

Human utilization of ascorbic acid in some fruits and vegetables. I. Plan of study and ascorbic acid content of the food. B. L. Davey, M. L. Dodds, K. H. Fisher, C. Schuck, and S. D. Chen. (Contract with Univ. of Ala., Penna. St. Univ., and Purdue Univ.) To Amer. Dietet. Assoc. Jour. for publication.

Human utilization of ascorbic acid in some fruits and vegetables. II. Strawberries, tangerines, broccoli, cabbage (raw and cooked), collards, kale, sweetpotato and turnip greens. B. L. Davey. (Contract with Univ. of Ala.) To Amer. Dietet. Assoc. Jour. for publication.

Human utilization of ascorbic acid in some fruits and vegetables. III. Tomato juice, green beans, lima beans, Brussels sprouts, orange juice, green peas, asparagus and peaches. K. H. Fisher and M. L. Dodds. (Contract with Univ. of Penna.) To Amer. Dietet. Assoc. Jour. for publication.

Human utilization of ascorbic acid in some fruits and vegetables. IV. Potato, tomato, blackberries, cantaloupe, Swiss chard, green pepper, cauliflower, and black raspberries. S. D. Chen and C. Schuck. (Contract with Purdue Univ.) To Amer. Dietet. Assoc. Jour. for publication.

Food and nutritional status - children

Nutritional status of adolescent Idaho children. II. Food habits. K. P. Warnick, S. V. Bring, and E. Woods. Amer. Dietet. Assoc. Jour. 31(11): 1143-1146. Nov. 1955. (Coop. West. Region. Proj.)

Nutritional status of school children 15 and 16 years of age in three Idaho communities; blood biochemical tests. S. V. Bring, K. P. Warnick and E. Woods. Jour. Nutr. 57(1): 29-45. Sept. 10, 1955. (Coop. West. Region. Proj.)

Nutrient intakes and food habits of Montana students. L. M. Odland, L. Page, and L. Guild. Amer. Dietet. Assoc. Jour. 31(11): 1134-1142. Nov. 1955. (Coop. West. Region. Proj.)

Dental caries experience of Montana students. L. M. Odland, L. Page, and S. T. Dohrman. Amer. Dietet. Assoc. Jour. 31(12): 1218-1222. Dec. 1955. (Coop. West. Region. Proj.)

Food intake and body size of Iowa school children. E. S. Eppright, V. D. Sidwell, and E. Jebe. In Weight Control--a collection of papers presented at the Weight Control Colloquium - Iowa St. Coll., pp. 119-131. 1955. (Coop. No. Cent. Region. Proj.)

Food and nutritional status - older persons

The right foods...Your passport to good health. P. Swanson and E. Willis. Iowa Farm Sci. 10(3): 17-19. Sept. 1955. (Coop. No. Cent. Region. Proj.)

Let's reduce sensibly. P. Swanson and E. Willis. Iowa Farm Sci. 10(1): 6-8. July 1955. (Coop. No. Cent. Region. Proj.)

Overweight...A problem among Iowa women. P. Swanson, E. Willis and P. Mairs. Iowa Farm Sci. 9(11): 18-20. May 1955. (Coop. No. Cent. Region. Proj.)

Fruits and vegetables...Keys to vitamins A and C. E. Willis and P. Swanson. Iowa Farm Sci. 9(10): 10-12. Apr. 1955. (Coop. No. Cent. Region. Proj.)

Food intake and body weight of older women. P. Swanson, H. Roberts, E. Willis, and others. In Weight Control--a collection of papers presented at the Weight Control Colloquium - Iowa St. Coll., pp. 80-96. 1955. (Coop. No. Cent. Region. Proj.)

As women grow older. A. Biester and E. Zeitler. Farm and Home Sci. 12(3): 17-19. 1955. (Coop. No. Cent. Region. Proj.)

Food habits of South Dakota women. L. Burrill and B. Alsup. So. Dak. Agr. Expt. Sta. Bul. 451, 24 pp. May 1955. (Coop. No. Cent. Region. Proj.)

The relation of age to fat absorption in adult women together with observations on concentration of serum cholesterol. P. Garcia, C. Roderuck and P. Swanson. Jour. Nutr. 55(4): 601-609. Apr. 1955. (Coop. No. Cent. Region. Proj.)

The San Mateo study of the nutritional status of the aging. A. F. Morgan.
Calif. Health 13(9): 65-72. 1955. (Coop. West. Region. Proj.)

Nutritional status and dietary habits of older people. E. Batchelder. To
Amer. Dietet. Assoc. Jour. (In press)

Foods for the upper age group and nutritional implications. E. Batchelder.
To Amer. Jour. of Pub. Health. (In press)

III. FOOD QUALITY, PREPARATION, AND PRESERVATION

Cooking quality - eggs, potatoes, meat

The flavor and functional properties of shell eggs. (Abstract.) R. Jordan.
Amer. Dietet. Assoc. Jour. 31(11): 1133. Nov. 1955. (Contract with Purdue
Expt. Sta.)

Flavor and functional properties of shell eggs affected by storage. (Abstract.)
R. Jordan. Jour. Home Econ. 48(2): 100. Feb. 1956. (Contract with Purdue
Expt. Sta.)

Proper refrigeration to maintain shell egg quality. (Abstract.) R. Jordan.
Indus. Refrig. 129(5): 58. Nov. 1955. (Contract with Purdue Expt. Sta.)

Quality of pressure-cooked potatoes. E. E. Hester and G. Bennett. (Contract
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The effect of moist and dry heat cooking on palatability scores and shear
force values of beef from animals of different levels of fleshing. S.
Cover and M. Shrode. Jour. Home Econ. 47(9): 681-685. Nov. 1955. (Con-
tract with Tex. Agr. Expt. Sta.)

The effect of agricultural chemicals on food flavor

Flavor tests on potatoes grown in soil where lindane was applied to cucumbers.
M. E. Kirkpatrick, G. S. Linton, B. M. Mountjoy and L. C. Albright. Amer.
Potato Jour. 32(7): 259-264. July 1955.

Food preparation and preservation

Home canning of fruits and vegetables. (Rev. of Home and Garden Bul. No. 8.)
Submitted for publication.

Cooking with dried whole egg. (Rev. of HNHE-85.) (Submitted for publication
as Home and Garden Bul.)

Cooking white rice. ARS 61-2. Aug. 1955. (Processed)

Family fare--food management and recipes. Home and Garden. Bul. No. 1.
Slightly revised July 1955.

Nutrition up to date, up to you. Separate 1 from Home and Garden Bul. No. 1.
Slightly revised Sept. 1955.

IV. SCHOOL FEEDING

Food buying guide for type A school lunches. PA-270. Dated June 1955 (off press Oct. 1955). (Coop. with AMS and Fish and Wildlife Serv.)

Recipes for type A school lunch. PA-271. 174 cards. June 1955. (Coop. with AMS and Fish and Wildlife Serv.)

Cooking rice for school lunches. O. M. Batcher, K. F. Helmintoller and E. H. Dawson. Jour. Home Econ. 48(1): 36-37. Jan. 1956.

V. FABRIC QUALITY

The geometry and properties of two-bar tricot fabrics. H. M. Fletcher and S. H. Roberts. To Tex. Res. Jour. for publication.

VI. DESIGN, CONSTRUCTION, AND CARE OF CLOTHING AND TEXTILE ARTICLES

Measuring the whitening effects of fluorescent dyes and perborate bleaches on cotton. M. S. Furry and P. L. Bensing. Am. Dyestuff Rptr. 44(23):786-790. Nov. 1955.

The effect of quaternary treatment under varied ratios of weight-volume-concentration on the bacteriostatic property of fabrics. M. T. Goldsmith, M. A. Latlief, J. L. Friedl, and L. S. Stuart. For publication in Mar. 1956 Appl. Microbiology.

The protective effect of glycine, against the inhibition of urease by a quaternary germicide. M. T. Goldsmith. To Jour. Pediat. (In press)

Bacteriostatic property of fabrics treated with quaternary germicide under varied weight-volume-concentration ratios. (Abstract.) M. T. Goldsmith, M. A. Latlief, J. L. Friedl, and L. S. Stuart. Bacteriol. Proc. 1955, p. 24.

Clothing fabrics--facts for consumer education. M. Smith. (Rev. of FB-1831) (Submitted for publication as Agr. Inf. Bul.)

Detergents for home laundering. M. S. Furry. (Submitted for publication as Home and Garden Bul.)

Men's suits: How to judge quality. (Rev. of MP-688) C. Scott. (Submitted for publication as Home and Garden Bul.)

VII. REQUIREMENTS FOR FUNCTIONAL FARM HOUSING

Human energy expended in using built-in ovens at different elevations. E. C. McCracken and M. Richardson. Stove and Appl. Builder 21(2): 36-39. Feb. 1956.

Storage space requirements for household textiles. A. M. Woolrich, M. W. White and M. A. Richards. ARS 62-2. Sept. 1955. (Processed)

VIII. PERFORMANCE REQUIREMENTS, USE AND CARE OF HOUSEHOLD EQUIPMENT

Home freezers--their selection and use. E. C McCracken. Home and Garden Bul. 48. Feb. 1956. (Rev. of MP-687)

Washing machines--selection and use. E. S. Ross, K. Taube, and D. S. Greene. Home and Garden Bul. 32. Aug. 1955. (Rev. of AIS-73)

Cost of electricity and liquefied petroleum gas for cooking, refrigerating and water heating--facts for Extension and home service leaders and others who work with consumers. E. C McCracken and E. Beveridge. Agr. Inf. Bul. 141. Aug. 1955.

IX. FOOD CONSUMPTION AND DIETARY LEVELS

Food expenditures, preservation, and home production by rural families in the North Central Region, 1951-52. M. Orshansky, E. C. Blake, and M. A. Moss. (Submitted for publication as Agr. Inf. Bul.)

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Consumption of fresh and evaporated milk and dry milk solids. C. Van Syckle. Amer. Dietet. Assoc. Jour. 31(12): 1228-1231. Dec. 1955. (Contract with Wash. Agr. Expt. Sta.)

Food expenditures in four institutions. F. Clark and E. B. Tate. To Amer. Dietet. Assoc. Jour. for publication. (Contract with Arthur D. Little Inc.)

Food yields--Summarized by different stages of preparation. R. K. Pecot and B. K. Watt. Submitted for publication as Agr. Handbook.

Bread...facts for consumer education. I. H. Wolgamot and L. J. Fincher. Agr. Inf. Bul. 142. Nov. 1955.

Nutritional review. In National Food Sit.-74, pp. 5-6. Nov. 1955.

Nutrients contributed by major food groups--a reflection of changing food habits. E. Cofer. In National Food Sit.-74, pp. 25-29. Nov. 1955.

Nutrition committee news. May-June 1955, July-Aug. 1955, and Sept.-Oct. 1955

Posters teach nutrition around the world. Filmstrip C-45. 52 frames. Nov. 1955. (Photographs in color of some of the posters 19 countries are using to teach nutrition.)

Food for families with young children. Home and Garden Bul. No. 5. Slightly revised 1955.

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Slightly revised 1955.

Food guide for older folks. Home and Garden Bul. No. 17. Slightly revised
1955.

A method for estimating the relative costs of home-produced and purchased
milk. E. Cofer. Nov. 1955. (Processed)

X. FAMILY EXPENDITURES AND HOUSEHOLD MANAGEMENT

Rural family living:

FE-103, 24 pp. Nov. 1955.

Annual outlook issue, 33 pp. Dec. 1955.

Agricultural outlook charts. (Chartbook) Prepared for the 1956 Outlook
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Farm family living. M. Brew. Nov. 1955. (Processed)

Estimating money savings and time costs of homemade cotton dresses. M. L.
Brew. Nov. 1955. (Processed)

XI. GENERAL

Titles of completed theses in home economics and related fields in colleges
and universities of the United States, 1954-1955. PA-278. Dec. 1955.
(Coop. with Off. of Educ., Dept. of Health, Educ., and Welfare)

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